NSWC REPEAT WINSOCKET OVERVIEW BRIEF 2003

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LMTO

REPEAT Win Socket

- SIMILAR TO WINXR
- SUPPORT TCP/IP SOCKET AND UDP COMMS
- SHOULD BE IN GCCS HOST AND DDN HOST TABLES
- ACTIVE PARTICIPANT ON LAN/WAN

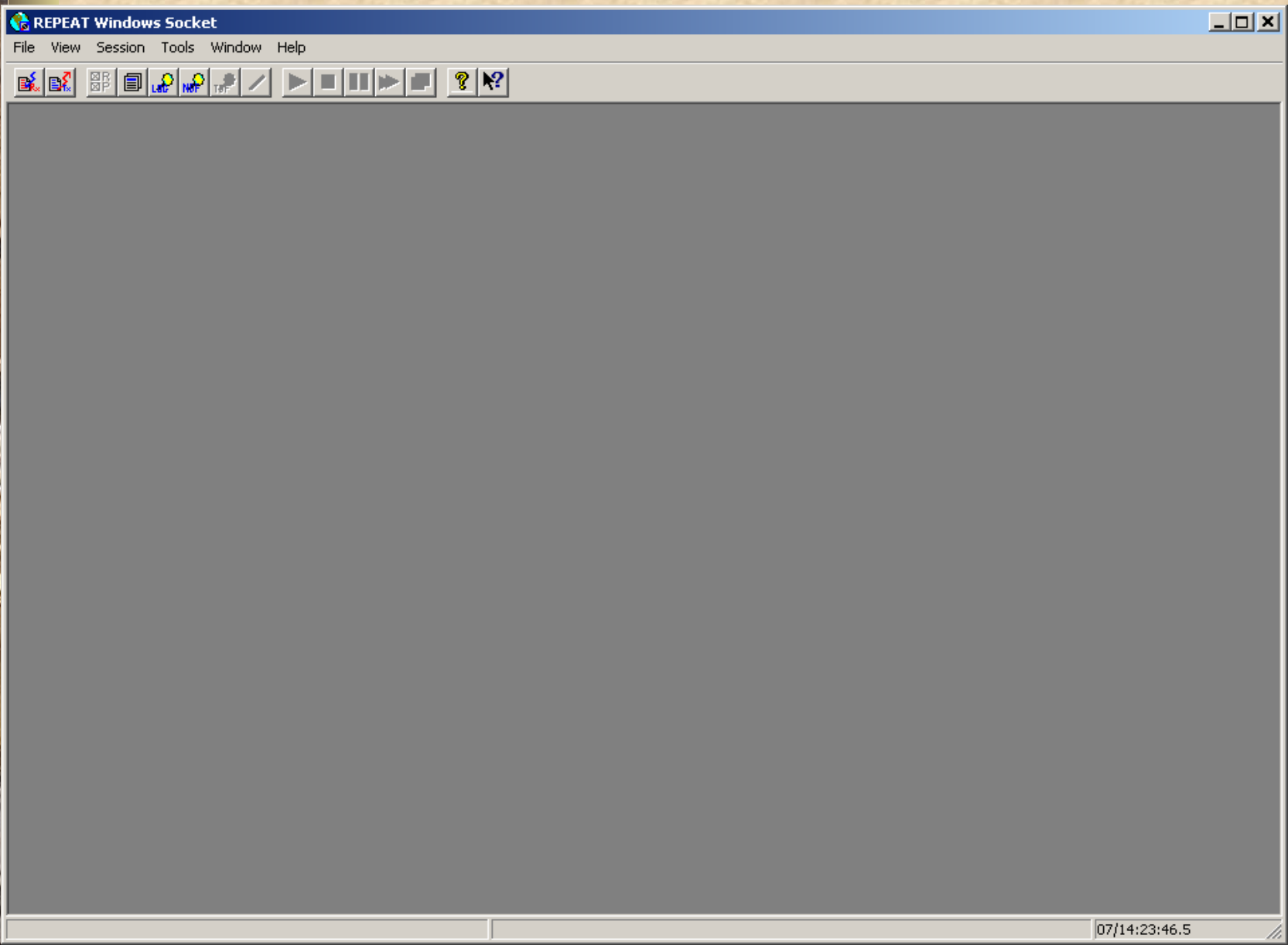
Win Socket
PULL DOWN TABS

- FILE
- VIEW
- SESSION
- TOOLS
- WINDOW
- HELP

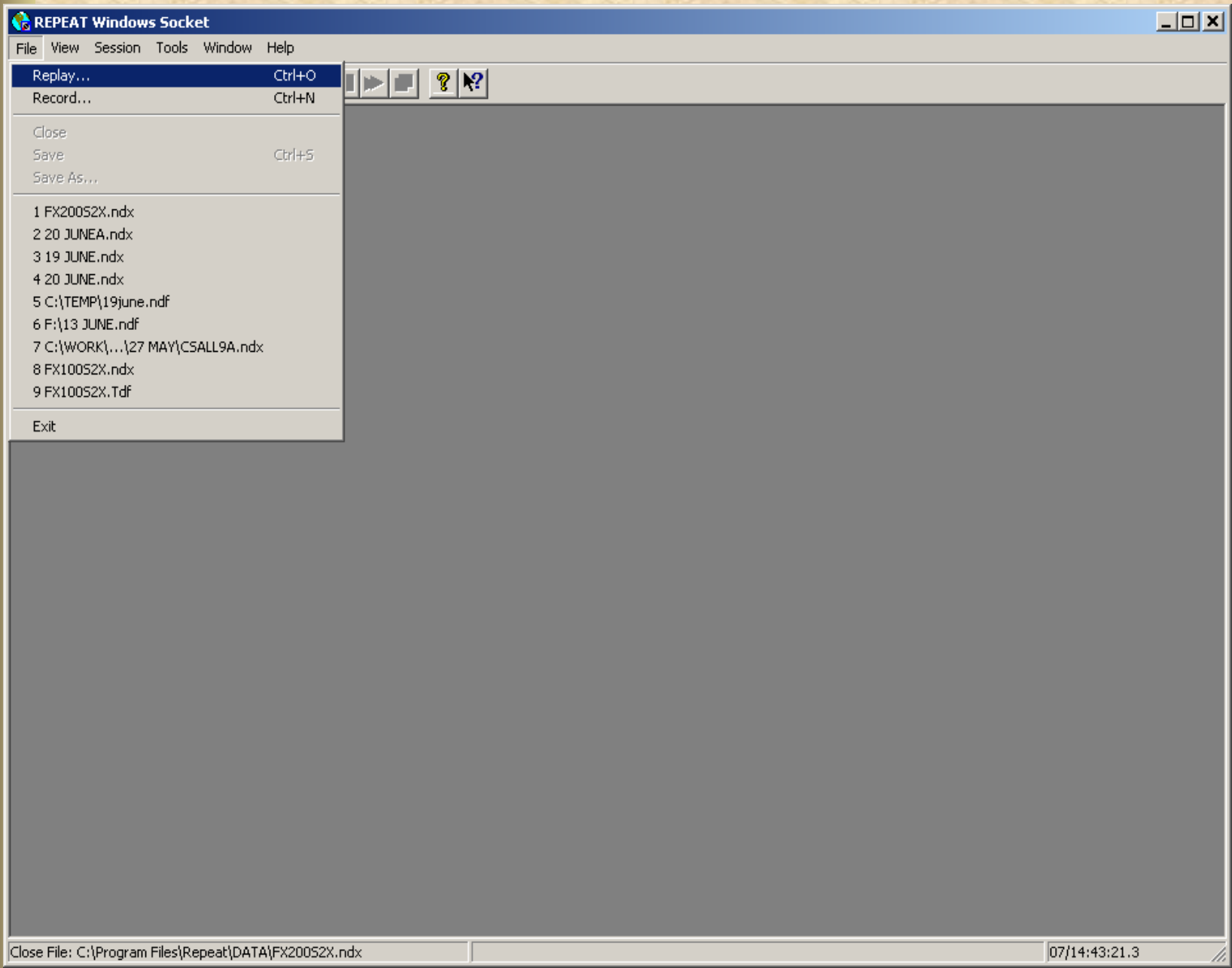
FILE TAB

- REPLAY
- RECORD
- CLOSE
- SAVE
- SAVE AS
- LIST OF OPEN FILES
- EXIT

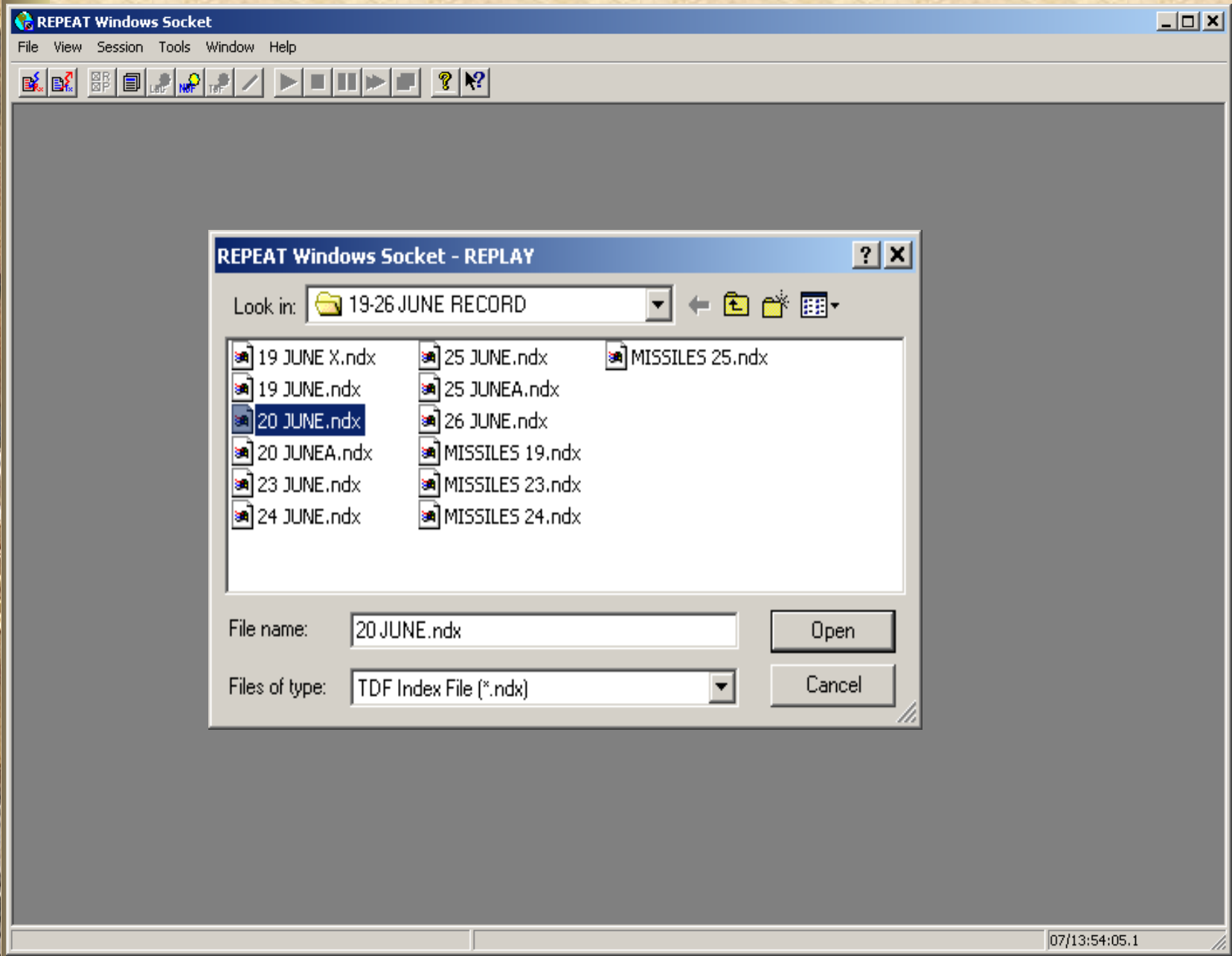
WINSOCK START DISPLAY



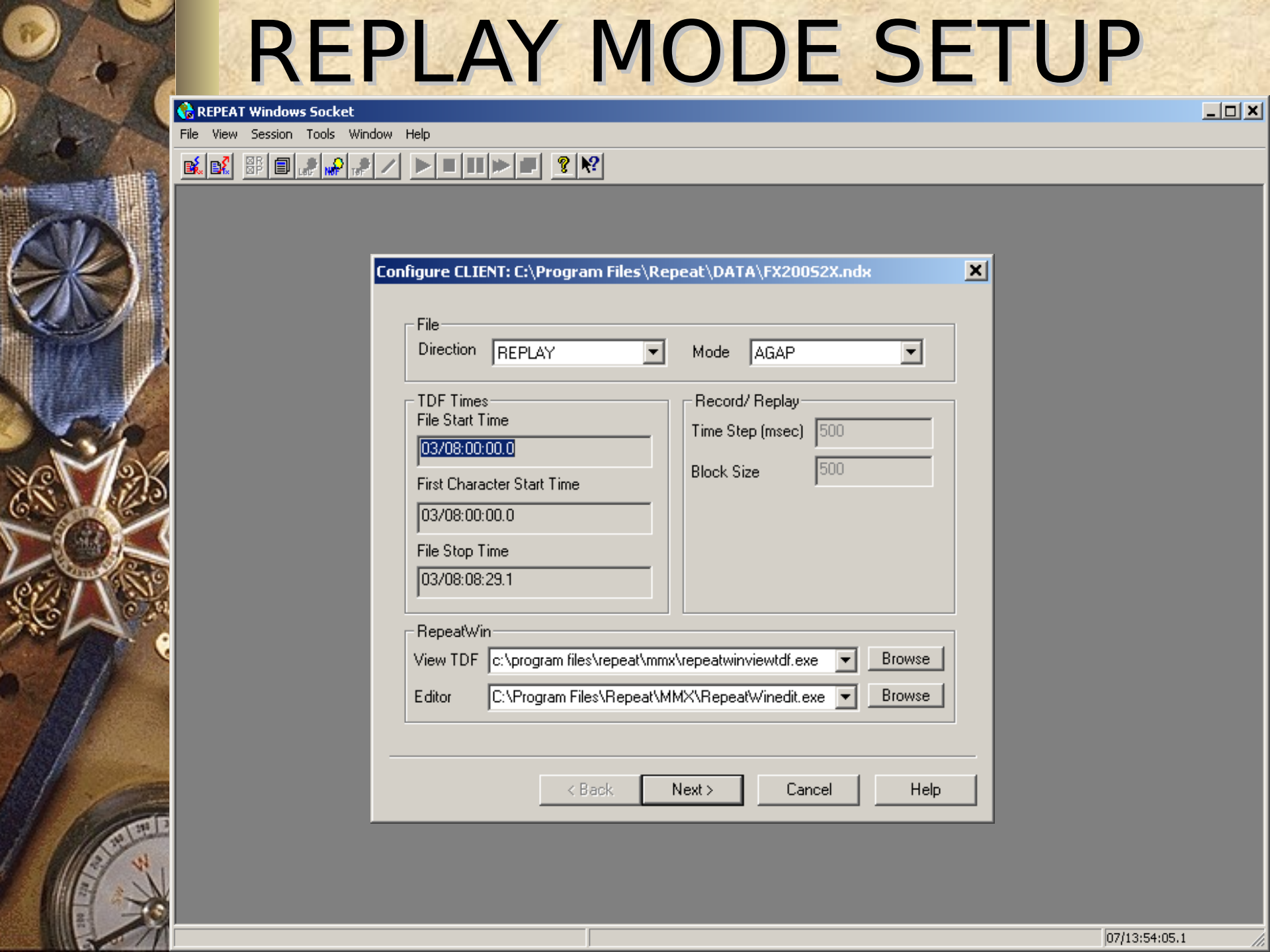
REPLAY PULL DOWN



REPLAY SELECTION



REPLAY MODE SETUP



SOCKET AND IP SETUP

REPEAT Windows Socket

File View Session Tools Window Help

Socket

Source Socket

IP	Port	Name
198.183.246.195	2020	OTH-T-RYAN1

Destination Sockets

Candidates		Selections
oth-t-rp4	<----	jots1 (198.183.246.210)
	----->	
	Delete	

Add Socket

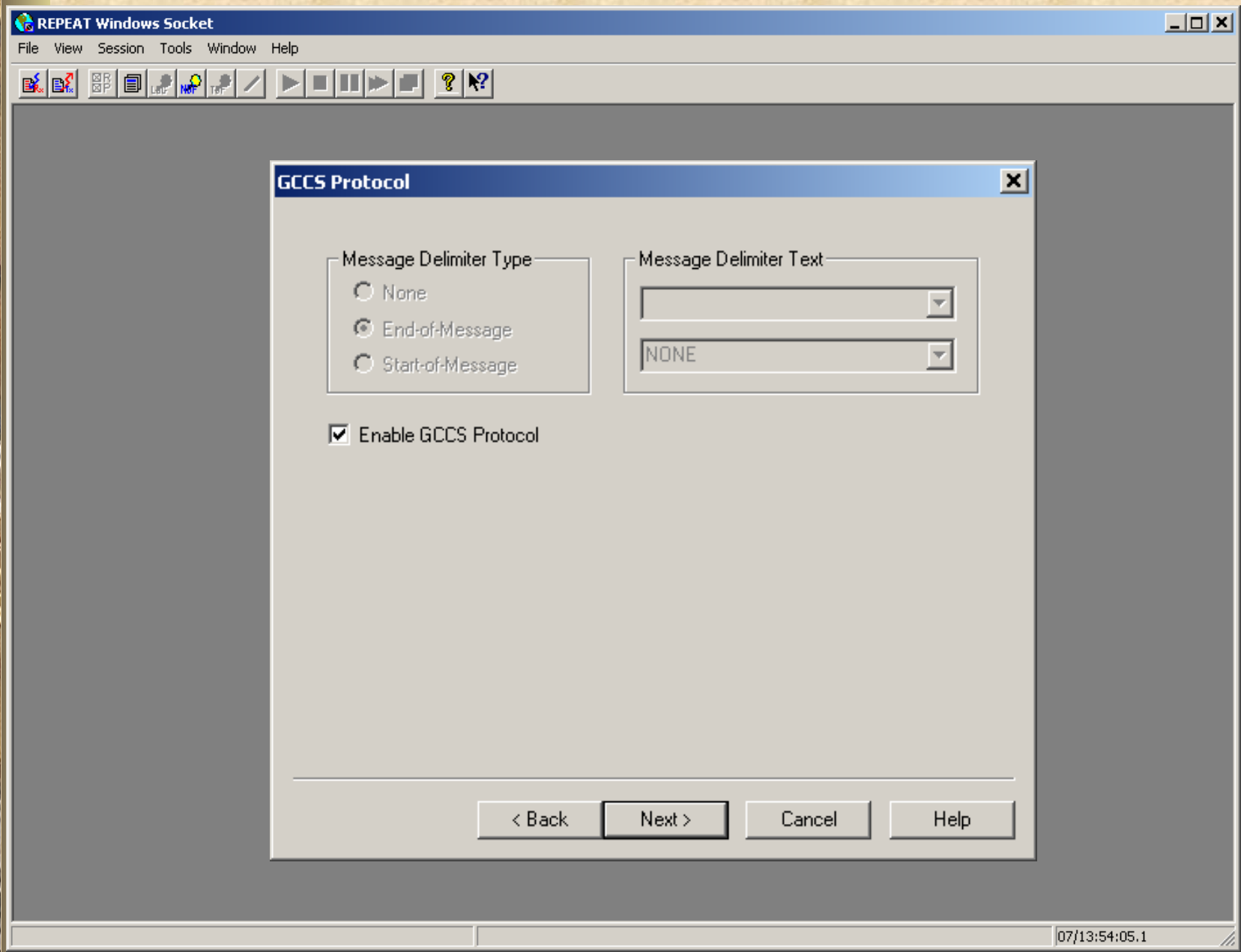
Destination Port 2020

Protocol TCP/IP

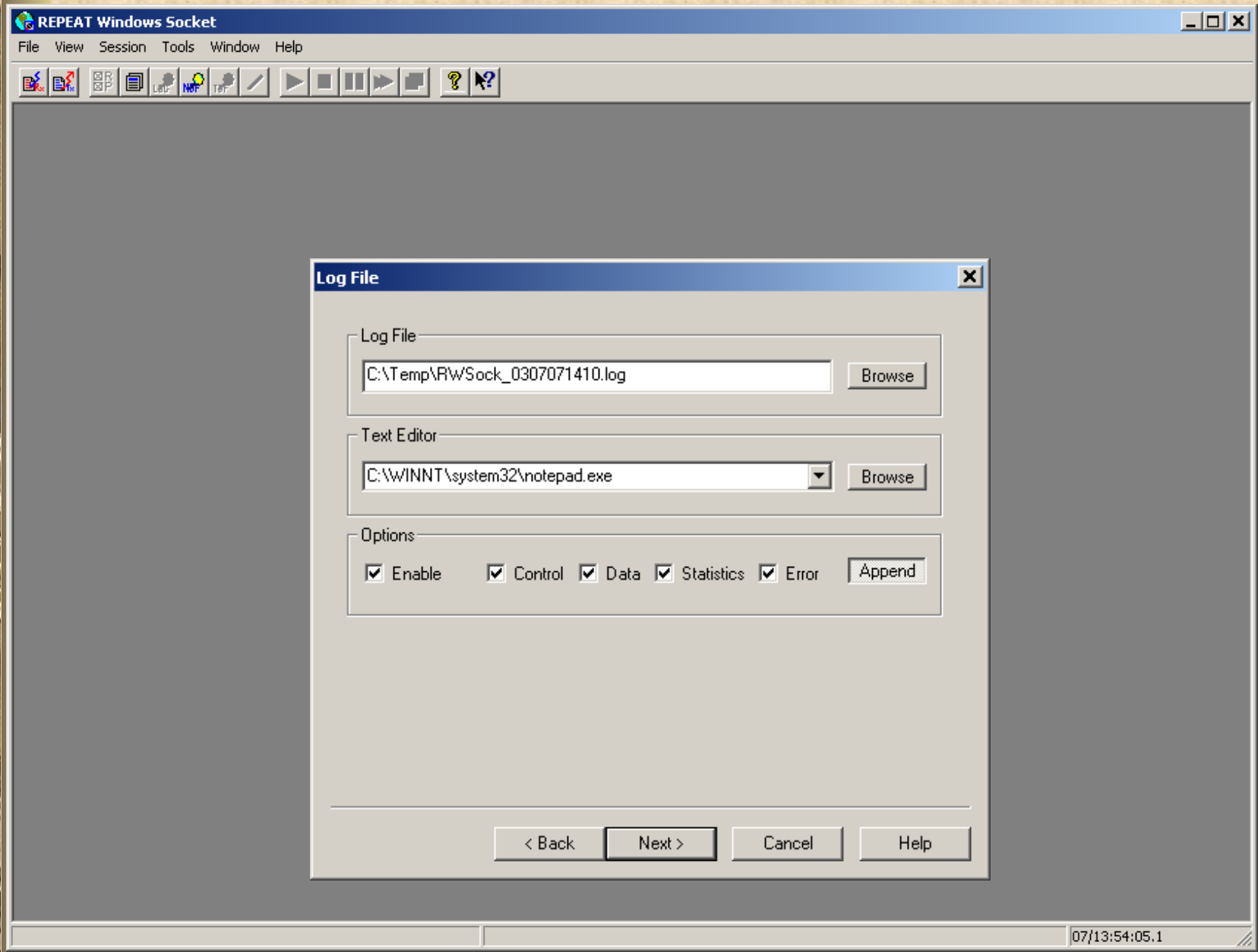
< Back | Next > | Cancel | Help

07/13:54:05.1

MESSAGE DEFINITION



LOG FILE SETUP



DISPLAY VIEW SETUP

REPEAT Windows Socket

File View Session Tools Window Help

Window Settings

Error View

Retry Period (sec) 30

Message length (bytes) 200

Data View

Buffer Size (lines) 500

Relative Height (%)

Error 10

Data 60

Statistics 30

< Back | Finish | Cancel | Help

07/13:54:05.1

DISPLAY VIEW

REPEAT Windows Socket - CLIENT (REPLAY): C:\Program Files\Repeat\DATA\FX200S2X.ndx

File View Session Tools Window Help

CLIENT (REPLAY): C:\Program Files\Repeat\DATA\FX200S2X.ndx

Start

Stop

Socket

Source: OTH-T-RYAN1 (198.183.246.199:2020)

Dest: jots1 (198.183.246.210:2020)

```
BT<0D><0D><0A>
UNCLAS <0D><0D><0A>
MSGID/JMMD 01 SITES/JUNIT/0006/JUL<0D><0D><0A>
JUNIT/J13012/EW SITE ONE/EWC/BTY/ARM/EW/KR/24///RPT000013012/3<0D><0D><0A>
JPOS/030806Z7/JUL/3655N9/07603W6/OTHER<0D><0D><0A>
JUNIT/J13013/PICKETT BRGD HQ/SCUD/UNK/ARM/USSM/KR/24///RPT000013013/3<0D><0D><0A>
JPOS/030806Z7/JUL/3700N0/07800W5/OTHER<0D><0D><0A>
ENDAT/OADR<0D><0D><0A>
<0A>
<0A>
<0A>
<0A>
<0A>
<0A>
<0A>
NNNN<0D><0D><0A>
```

Addr	Port	File	Protocol	Status	Rx	Tx	DGramRx	DGramTx	Err
jots1	2020	FX200S2X.ndx	TCP/IP	CLOSED	0	2514	0	6	0

Byte: 7168 (3.4 %) | AGAP | Dest: CLOSED - jots1 (198.183.246.210:2020)

07/15:06:52.2

VIEW TAB

- TOOLBAR
- STATUS BAR
- SOCKET SUMMARY

VIEW PULL DOWN

REPEAT Windows Socket - CLIENT (REPLAY): C:\Program Files\Repeat\DATA\FX200S2X.ndx

File View Session Tools Window Help

- ✔ Toolbar
- ✔ Status Bar
- Socket Summary

rogram Files\Repeat\DATA\FX200S2X.ndx

Start

Stop

Socket

Source: OTH-T-RYAN1 (198.183.246.199:2020)

Dest: jots1 (198.183.246.210:2020)

```
FM SCENARIO INPUTS<0D><0D><0A>
TO JMCIS<0D><0D><0A>
BT<0D><0D><0A>
UNCLAS <0D><0D><0A>
MSGID/JWID 01 SITES/JUNIT/0009/JUL<0D><0D><0A>
JUNIT/J13018/STONIA BRDG HQ/UNK/UNK/ARM/BRIDGE/KR/24///RPT000013018/3<0D><0D><0A>
JPOS/030809Z0/JUL/3512N1/08109W8/OTHER<0D><0D><0A>
ENDAT/OADR<0D><0D><0A>
<0A>
<0A>
<0A>
<0A>
<0A>
<0A>
<0A>
NNNN<0D><0D><0A>
```

Addr	Port	File	Protocol	Status	Rx	Tx	DGramRx	DGramTx	Err
jots1	2020	FX200S2X.ndx	TCP/IP	CLOSED	0	3516	0	9	0

Byte: 10240 (4.9 %) | AGAP | Dest: STOP THREAD - jots1 (198.183.246.210:2020)

Close File: C:\Program Files\Repeat\DATA\FX200S2X.ndx | 07/14:36:46.2

SOCKET SUMMARY

REPEAT Windows Socket - CLIENT (REPLAY): C:\TEMP\25 JUNEA.ndx

File View Session Tools Window Help

Socket Summary

Addr	Port	File	Protocol	Status	Rx	Tx	DGramRx	DGramTx	Err
jots1	2020	25 JUN...	TCP/IP	CLOSED	0	4002	0	3	1
jots1	2020	20 JUN...	TCP/IP	CLOSED	0	6718	0	7	0
jots1	2020	CSALL1...	TCP/IP	CLOSED	0	35795	0	9	0

OK

CLIENT (REPLAY): C:\TEMP\20 JUNE A.ndx

Start Stop

Socket

Source OTH-T-RYAN1 (198.183.246.199:2020)

Dest jots1 (198.183.246.210:2020)

Addr	Port	File	Pro...	Sta...	Rx	Tx	DG...	DG...	Err
jots1	2020	CS...	TC...	CL...	0	357...	0	9	0

Addr	Port	File	Pro...	Sta...	Rx	Tx	DG...	DG...	Err
jots1	2020	25 ...	TC...	CL...	0	4002	0	3	1

Addr	Port	File	Pro...	Sta...	Rx	Tx	DG...	DG...	Err
jots1	2020	20 ...	TC...	CL...	0	6718	0	7	0

Byte: 44032 (1.1 %) AGAP Dest: CLOSED - jots1 (198.183.24

Byte: 7168 (0.0 %) AGAP Dest: CLOSED - jots1 (198.183.24

Byte: 13312 (0.1 %) AGAP Dest: CLOSED - jots1 (198.183.24

08/06:29:24.0 CAP

TOOLS TAB

- CONFIGURE COMM
- SOCKET OPTIONS
- SET TIME
- TEST MESSAGE
- NDF VIEWER
- NDF TO TDF
- NDF TEXT
- LOG FILE VIEWER
- VIEWTDF

CONFIGURE COMM

Configure CLIENT: C:\Program Files\Repeat\DATA\FX20052X.ndx

Message Delimiter Type

- None
- End-of-Message
- Start-of-Message

Message Delimiter Text

NONE

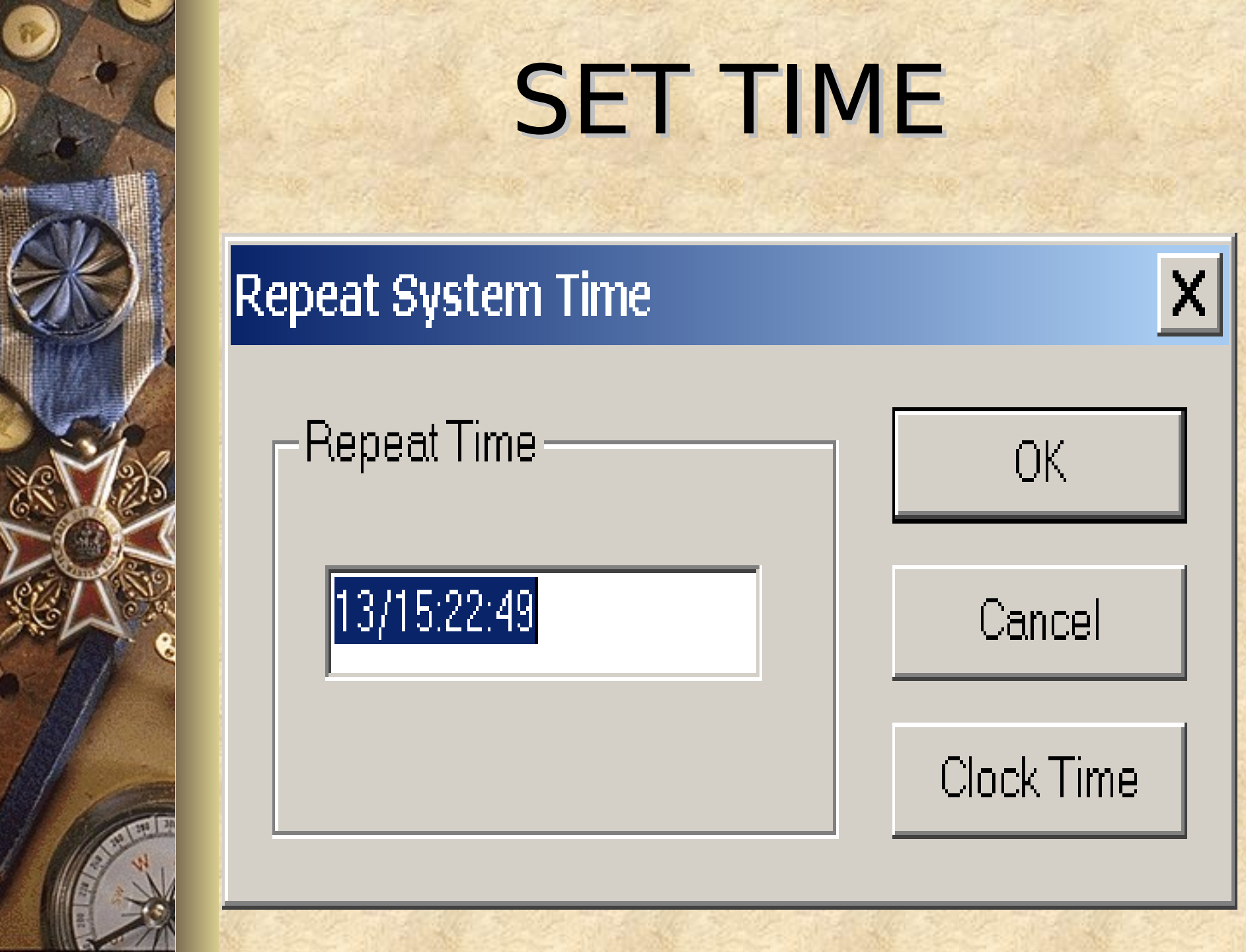
Enable GCCS Protocol

< Back | Next > | Cancel | Help

TOOLS TAB

- CONFIGURE COMM
- SOCKET OPTIONS
- SET TIME
- TEST MESSAGE
- NDF VIEWER
- NDF TO TDF
- NDF TEXT
- LOG FILE VIEWER
- VIEWTDF

SET TIME


Repeat System Time
X
Repeat Time
13/15:22:49
OK
Cancel
Clock Time

TOOLS TAB

- CONFIGURE COMM
- SOCKET OPTIONS
- SET TIME
- TEST MESSAGE
- NDF VIEWER
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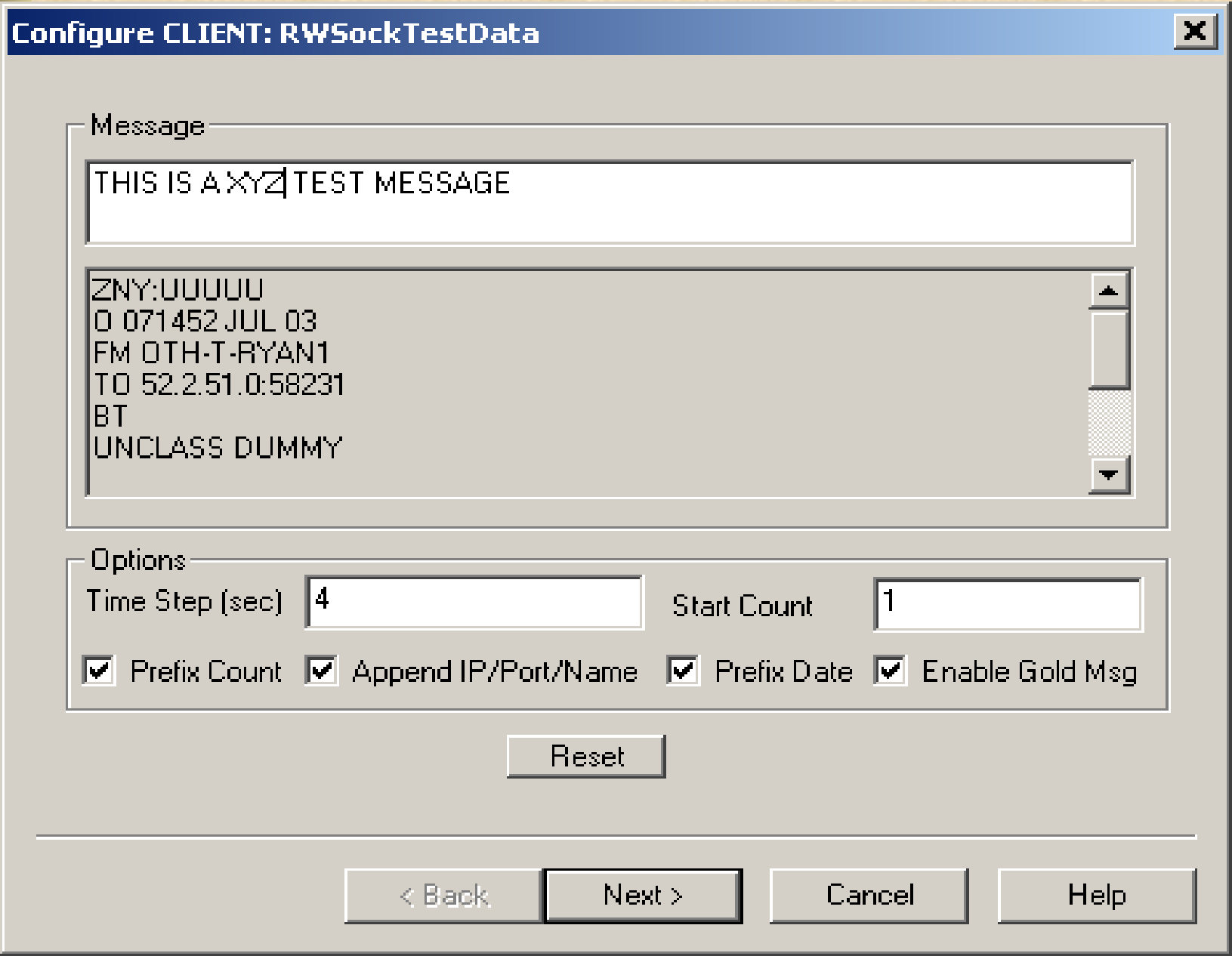
- NDF TEXT
- LOG FILE VIEWER
- VIEWTDF

TEST MESSAGE



TOOLS TAB

- CONFIGURE COMM
- SOCKET OPTIONS
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- TEST MESSAGE
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NDF VIEWER

Network Data File Viewer

Signature: NDF | Start Date: 13/00:57:38 | Client IP: 204.34.48.193:43933 | Browse

Version: 2 | Host IP: 204.34.48.28:2020 | OK

Per Bucket / Per Message

Time	Addr	Size	Co...	Data
13/15:05:50	204.34.48.193:43933	279	1	ZNR UUUUU▮R 131505Z JUN 03▮FM PACOM▮TO REPEAT1▮BT▮UNCLAS▮MSGID/PACOM/JU
13/15:05:51	204.34.48.193:43934	1354	1	ZNR UUUUU▮R 131505Z JUN 03▮FM PACOM▮TO REPEAT1▮BT▮UNCLAS▮MSGID/PACOM/CI
13/15:06:03	204.34.48.193:43940	1460	1	ZNR UUUUU▮R 131505Z JUN 03▮FM PACOM▮TO REPEAT1▮BT▮UNCLAS▮MSGID/PACOM/CI
13/15:06:03	204.34.48.193:43940	143	1	NM/0NM/000.0T▮/000.0KTS/ALT000///JTIDS▮LEXT/10593/0017/383384/00000//ELLIPSE /00
13/15:06:12	204.34.48.193:43943	1460	1	ZNR UUUUU▮R 131505Z JUN 03▮FM PACOM▮TO REPEAT1▮BT▮UNCLAS▮MSGID/PACOM/CI
13/15:06:12	204.34.48.193:43943	146	1	T/0NM/0NM/000.0T▮/347.6KTS/ALT010///JTIDS▮LEXT/10593/0017/383384/00000//ELLIPSE
13/15:06:21	204.34.48.193:43947	1357	1	ZNR UUUUU▮R 131506Z JUN 03▮FM PACOM▮TO REPEAT1▮BT▮UNCLAS▮MSGID/PACOM/CI
13/15:06:33	204.34.48.193:43952	1460	1	ZNR UUUUU▮R 131506Z JUN 03▮FM PACOM▮TO REPEAT1▮BT▮UNCLAS▮MSGID/PACOM/CI
13/15:06:33	204.34.48.193:43952	393	1	0NM/0NM/142.0T▮/296.2KTS/ALT081///JTIDS▮LEXT/10592/0016/448520/00000//ELLIPSE /0
13/15:06:42	204.34.48.193:43955	1460	1	ZNR UUUUU▮R 131506Z JUN 03▮FM PACOM▮TO REPEAT1▮BT▮UNCLAS▮MSGID/PACOM/CI
13/15:06:42	204.34.48.193:43955	167	1	8S0-1383149.71E7//000T/0NM/0NM/000.0T▮/353.5KTS/ALT024///JTIDS▮LEXT/10593/0017/38
13/15:06:51	204.34.48.193:43956	280	1	ZNR UUUUU▮R 131506Z JUN 03▮FM PACOM▮TO REPEAT1▮BT▮UNCLAS▮MSGID/PACOM/JU
13/15:06:52	204.34.48.193:43959	1460	1	ZNR UUUUU▮R 131506Z JUN 03▮FM PACOM▮TO REPEAT1▮BT▮UNCLAS▮MSGID/PACOM/CI
13/15:06:52	204.34.48.193:43959	143	1	NM/0NM/027.0T▮/418.7KTS/ALT081///JTIDS▮LEXT/10593/0017/383384/00000//ELLIPSE /00
13/15:07:03	204.34.48.193:43962	1460	1	ZNR UUUUU▮R 131506Z JUN 03▮FM PACOM▮TO REPEAT1▮BT▮UNCLAS▮MSGID/PACOM/CI
13/15:07:03	204.34.48.193:43962	143	1	NM/0NM/060.0T▮/418.7KTS/ALT081///JTIDS▮LEXT/10593/0017/383384/00000//ELLIPSE /00
13/15:07:12	204.34.48.193:43965	1460	1	ZNR UUUUU▮R 131506Z JUN 03▮FM PACOM▮TO REPEAT1▮BT▮UNCLAS▮MSGID/PACOM/CI
13/15:07:12	204.34.48.193:43965	393	1	0NM/0NM/142.0T▮/296.2KTS/ALT081///JTIDS▮LEXT/10592/0016/448520/00000//ELLIPSE /0
13/15:07:21	204.34.48.193:43969	1460	1	ZNR UUUUU▮R 131507Z JUN 03▮FM PACOM▮TO REPEAT1▮BT▮UNCLAS▮MSGID/PACOM/CI
13/15:07:21	204.34.48.193:43969	393	1	0NM/0NM/142.0T▮/296.2KTS/ALT081///JTIDS▮LEXT/10592/0016/448520/00000//ELLIPSE /0
13/15:07:33	204.34.48.193:43974	1357	1	ZNR UUUUU▮R 131507Z JUN 03▮FM PACOM▮TO REPEAT1▮BT▮UNCLAS▮MSGID/PACOM/CI
13/15:07:42	204.34.48.193:43977	1460	1	ZNR UUUUU▮R 131507Z JUN 03▮FM PACOM▮TO REPEAT1▮BT▮UNCLAS▮MSGID/PACOM/CI

NDF VIEWER (EXP)

DataGram Dialog: C:\TEMP\13 JUNE.ndf

Host IP: 204.34.48.28:2020 | Size: 279 | Count: 1 | DataGrar: 1

Client IP: 204.34.48.193:43933 | Time: 13/15:05:50 | Total: 92

```
ZNR UUUUU<0D><0D><0A>
R 131505Z JUN 03<0D><0D><0A>
FM PACOM<0D><0D><0A>
TO REPEAT1<0D><0D><0A>
BT<0D><0D><0A>
UNCLAS<0D><0D><0A>
MSGID/PACOM/JUNIT/9454/JUN<0D><0D><0A>
JUNIT/U01636/I16993/ADMIN/CMD/JNT/BLDG/US/22//MMCT2 REFXMTR<0D><0D><0A>
/881676316993<0D><0D><0A>
JPOS/131504Z4/JUN/384700.00N2/1044300.00W2/////000T/0K//TALON<0D><0D><0A>
ENDAT<0D><0D><0A>
BT<0D><0D><0A>
<0A>
<0A>
<0A>
<0A>
<0A>
<0A>
<0A>
NNNN<7F><7F><7F><7F><7F><7F><7F><7F><7F><7F><7F><7F><0D><0D><0A>
```

First | Next | Prev | Last

TOOLS TAB

- CONFIGURE COMM
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TOOLS TAB

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LOG VIEWER

RWSock_0209301320.log - Notepad

File Edit Format Help

```
ACCEPT - OTH-T-RYAN1 (127.0.0.1:1029)

30/13:26:05.7 [CONTROL]:
OPEN - OTH-T-RYAN1 (127.0.0.1:2020)

30/13:26:08.3 [CONTROL]:
OPEN - OTH-T-RYAN1 (127.0.0.1:2020)

30/13:26:08.3 [CONTROL]:
CONNECTED - OTH-T-RYAN1 (127.0.0.1:2020)

30/13:26:08.3 [CONTROL]:
WRITABLE - OTH-T-RYAN1 (127.0.0.1:2020)
30/13:26:08.3 [DATA]:
ZNR UUUUU<0D><0D><0A>
0 030801Z JUL 02<0D><0D><0A>
FM SCENARIO INPUTS<0D><0D><0A>
TO JMCIS<0D><0D><0A>
BT<0D><0D><0A>
UNCLAS <0D><0D><0A>
MSGID/JWID 01 SITES/JUNIT/0002/JUL<0D><0D><0A>
JUNIT/J13003/PWR PLANT THERMAL OAK BORO/ADMIN/UNK/ARM/PWRFAC/KR/24/<0D><0D><0A>
//RPT000013003/3<0D><0D><0A>
JPOS/030801Z2/JUL/3514N3/08020W0/OTHER<0D><0D><0A>
ENDAT/OADR<0D><0D><0A>
<0A>
<0A>
<0A>
<0A>
<0A>
<0A>
<0A>
NNNN<0D><0D><0A>


30/13:26:08.3 [STATISTICS]:
Byt_Rx=0, Byt_Rx_Total=0, Byt_Tx=272, Byt_Tx_Total=774,
```

TOOLS TAB

- CONFIGURE COMM
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VIEW TDF OF NDF FILE

11oct.ndf -

File Search View Help

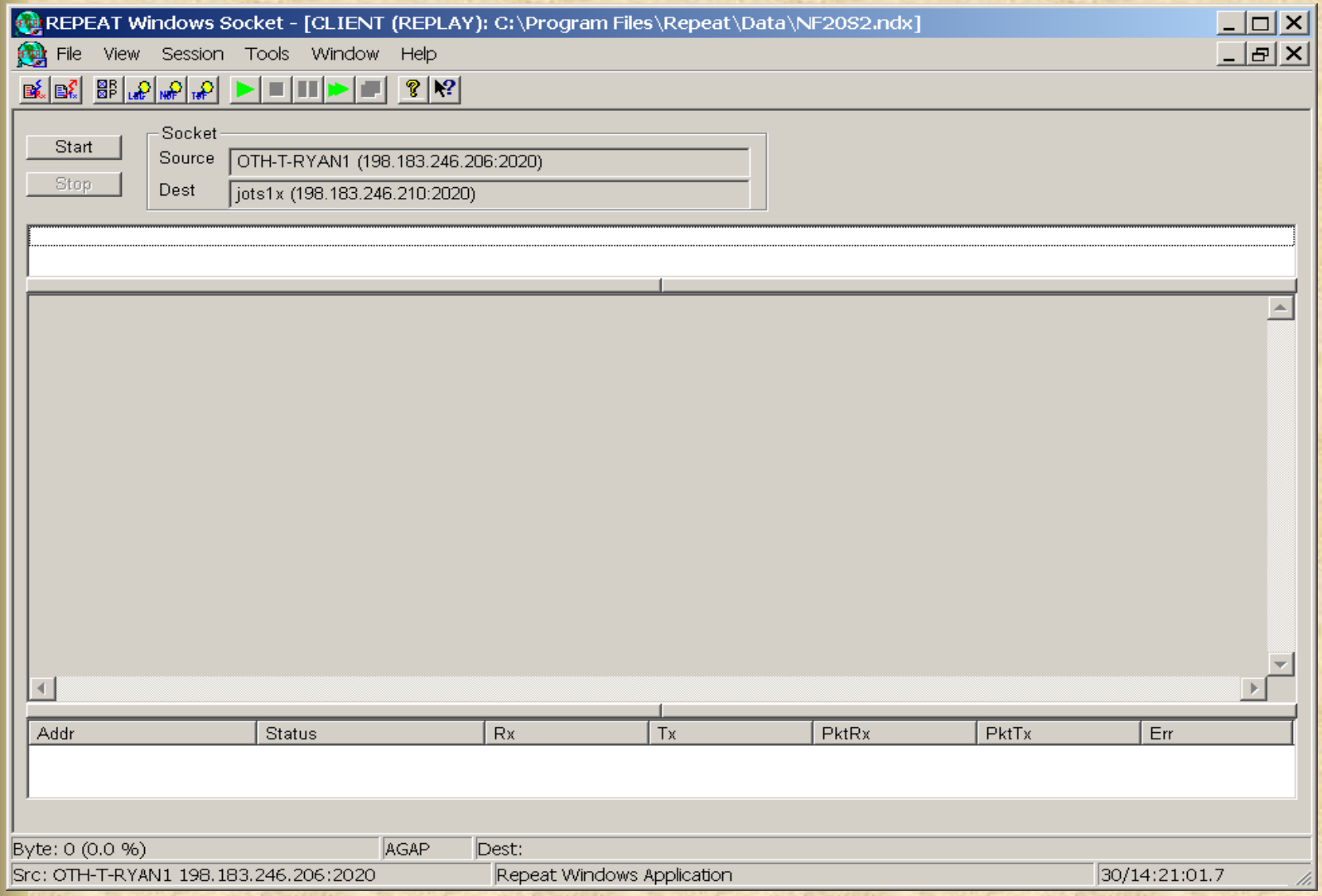
```
                    CTC/T1005/BALEARES-ANDALUCIA//FF/NAV/F72/SP////09//3////RPT000001005<CR><CR><LF>
                    POS/030750Z5/JUL/3721N3/06747W4/OTH/180T/1NM/1NM/0T/0K<CR><CR><LF>
                    CTC/T1003/FEARLESS-ALBION//LPD/NAV/L14/UK////09//3////RPT000001003<CR><CR><LF>
                    POS/030750Z5/JUL/3325N3/07552W9/OTH/180T/1NM/1NM/0T/0K<CR><CR><LF>
                    CTC/T1002/ABLE-ABLE//TAGOS/NAV/20/US////09//3////RPT000001002<CR><CR><LF>
                    POS/030750Z5/JUL/3759N4/06428W0/OTH/180T/1NM/1NM/0T/0K<CR><CR><LF>
                    ENDAT/DECL OADR<CR><CR><LF>
                    BT<CR><CR><LF><LF><LF><LF><LF><LF><LF><LF>
                    NNNN<CR><CR><LF>
12/00:07:03.4  0275  ZNR UUUUU<CR><CR><LF>
198.183.246.173     O 030804Z JUL 2002<CR><CR><LF>
                    FM JWID 01<CR><CR><LF>
                    TO JBC 01 GCCS<CR><CR><LF>
                    BT<CR><CR><LF>
                    UNCLAS<CR><CR><LF>
                    MSGID/NAV FRIEND 3/GOLD/0004/JUL/JWID 01<CR><CR><LF>
                    CTC/T1002/ABLE-ABLE//TAGOS/NAV/20/US////09//3////RPT000001002<CR><CR><LF>
                    POS/030754Z9/JUL/3759N4/06428W0/OTH/180T/1NM/1NM/216.2T/12.2K<CR><CR><LF>
                    ENDAT<CR><CR><LF>
                    BT<CR><CR><LF><LF><LF><LF><LF><LF><LF><LF>
                    NNNN<CR><CR><LF>
12/00:07:03.5  1090  ZNR UUUUU<CR><CR><LF>
198.183.246.173     O 030805Z JUL 2002<CR><CR><LF>
                    FM JWID 01<CR><CR><LF>
                    TO JBC 01 GCCS<CR><CR><LF>
                    BT<CR><CR><LF>
                    UNCLAS<CR><CR><LF>
```

For Help, press F1

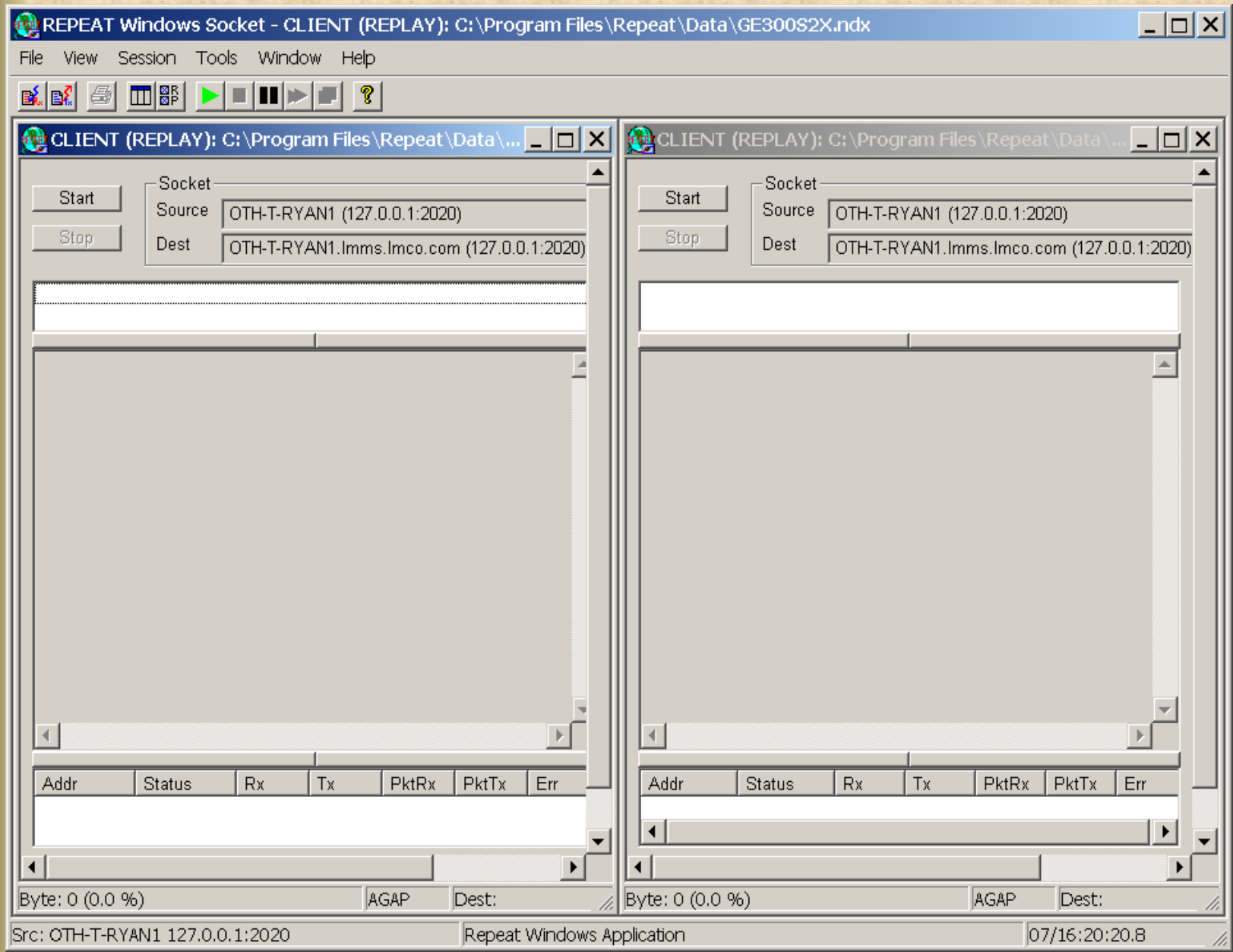
WINDOW TABS

- CASCADE
- TILE VERTICALLY
- TILE HORIZONTALLY
- LIST OF OPEN WINDOWS

REPLAY START WINDOW



DUAL START WINDOW



HELP TAB

- HELP INDEX
- HELP TOPICS
- ABOUT REPEATWINSOCKET

WINSOCK HELP MENU

REPEAT WIN SOCKET Application Help

File Edit Bookmark Options Help

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- View NDF Files
- Convert NDF to TDF files
- Convert NDF to Text
- Configure GCCS

ToolBar

- Toolbar

Commands

- File menu
- View menu
- Session menu